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ı	IN THE CLAIMS:						
2							
3	Claim Listing:						
4							
5	1. (Previously Presented) A method of using Si-Ge-C in selective etch						
6	applications, comprising:						
7	growing one or more layers on a single crystal silicon substrate, at least one of						
8	which is a Si-Ge-C layer, wherein the carbon of the Si-Ge-C layer is an amount from						
9	to 10 atomic percent and sufficient to exhibit etch selectivity with respect to the single						
10	crystal silicon substrate and/or one or more of the layers adjacent the Si-Ge-C layer						
11	and						
12	etching with a liquid etchant, the Si-Ge-C layer and the single crystal silico						
13	substrate and/or one or more of the layers adjacent the Si-Ge-C layer.						
14							
15	Claims 2-20 (Canceled).						
16							
17	Claims 21-24 (Never Entered).						
18	Claim 25 (Canceled).						
19	Ciaini 25 (Canceleu).						
20	Claim 26-44 (Never Entered).						
21	Claim 20 44 (Never Enterea).						
22	Claim 45 (Canceled).						
23							
24	Claim 46 (Never Entered)						
25							
26	Claim 47-48 (Canceled).						
27							
28	49. (Previously Presented) The method of claim 1, wherein the Si-Ge-0						
29	layer etches slower than the one or more adjacent layers.						
30							

1	50.	(Previously Presented)	The method of claim 1, wherein the Si-Ge-C					
2	layer etches slower than the single crystal silicon substrate.							
3		·						
4	51.	(Previously Presented)	The method of claim 1, wherein the Si-Ge-C					
5	layer etches faster than the one or more adjacent layers.							
6								
7	52.	(Previously Presented)	The method of claim 1, wherein the Si-Ge-C					
8	layer etches faster than the single crystal silicon substrate.							
9								
10	53.	(Previously Presented)	The method of claim 1, wherein the etching					
11	includes applying an etchant selected from the group of KOH and HNA.							
12	- 4	(D. 1. I. D. 1. I)						
13	54.	(Previously Presented)	G					
14			e crystal substrate, comprising:					
15	growing one or more epitaxial layers sequentially, starting at the single crysta							
16	substrate surface, wherein at least one of the epitaxial layers comprises Si-Ge-C							
17	wherein the carbon of the Si-Ge-C layer is from 1 to 5 atomic percent; and							
18	etching with a liquid etchant, the Si-Ge-C layer and the single crystal substrat and/or one or more of the epitaxial layers adjacent the Si-Ge-C layer.							
19	and/or one	or more or the epitaxial layer	adjacent the of-de-d layer.					
20	55.	(Previously Presented)	The method of claim 54, wherein the Si-Ge-C					
21		,	re adjacent epitaxial layers.					
22	, 0. 0.000		To dajadom opnaziar layoron					
23	56.	(Previously Presented)	The method of claim 54, wherein the Si-Ge-C					
24		s slower than the single crys						
25	·	,						
26	57.	(Previously Presented)	The method of claim 54, wherein the Si-Ge-C					
27	layer etches	s faster than the one or mor	e adjacent epitaxial layers.					
28	,							
29	58.	(Previously Presented)	The method of claim 54, wherein the Si-Ge-C					
30	layer etches faster than the single crystal substrate.							

1								
2	59.	(Previously Presented)	The method of claim 54, 55, 56, 57, or 58,					
3	wherein the single crystal substrate is a material selected from the group of silicon,							
4	silicon-germanium, and germanium.							
5								
6	60.	(Previously Presented)	The method of claim 54, wherein the etchin					
7	includes applying an etchant selected from the group of KOH and HNA.							
8								
9	61.	(Previously Presented)	A method of using Si-Ge-C in selective etch					
10	applications in conjunction with a substrate, comprising:							
11	growing one or more layers sequentially, starting at the substrate, wherein							
12	least one of the layers comprises Si-Ge-C, wherein the carbon of the Si-Ge-C layer							
13	from 1 to 10 atomic percent; and							
14	etching with a liquid etchant, the Si-Ge-C layer and one or more layers adjace							
15	to the Si-Ge-	-C layer and/or the substrat	te.					
16								
17	62.	(Previously Presented)	The method of claim 61, wherein the Si-Ge-					
18	layer etches	slower than the one or mo	re adjacent layers.					
19		•						
20	63.	(Previously Presented)	The method of claim 61, wherein the Si-Ge-C					
21	layer etches	slower than the substrate.						
22								
23	64.	(Previously Presented)	The method of claim 61, wherein the Si-Ge-C					
24	layer etches	faster than the one or more	e adjacent layers.					
25								
26	65.	(Previously Presented)	The method of claim 61, wherein the Si-Ge-					
27	layer etches	faster than the substrate.						
28	20	(5 5	-					
29	66.	(Previously Presented)	The method of claim 61, 62, 63, 64, or 65,					
30	wherein the substrate is a material selected from the group of silicon, silicon-							
	germanium,	and germanium.						

67.	(Previously Presented)	The method of	f claim 61,	wherein	the	etching		
includes applying an etchant selected from the group of KOH and HNA.								

68. (Presently Presented) A method of using Si-Ge-C in selective etch applications, comprising:

growing one or more layers on a single crystal silicon substrate, at least one of which is a Si-Ge-C layer, wherein the carbon of the Si-Ge-C layer is in an amount from 1 to 10 atomic percent and sufficient to exhibit etch selectivity with respect to the single crystal silicon substrate and/or one or more of the layers adjacent the Si-Ge-C layer; and (Presently Presented)

etching with a liquid etchant, the Si-Ge-C layer and the single crystal silicon substrate and/or one or more of the layers adjacent the Si-Ge-C layer wherein the Si-Ge-C layer etches slower than the one or more adjacent layers.

69. (Presently Presented) A method of using Si-Ge-C in selective etch applications, comprising:

growing one or more layers on a single crystal silicon substrate, at least one of which is a Si-Ge-C layer, wherein the carbon of the Si-Ge-C layer is in an amount from 1 to 10 atomic percent and sufficient to exhibit etch selectivity with respect to the single crystal silicon substrate and/or one or more of the layers adjacent the Si-Ge-C layer; and

etching with a liquid etchant, the Si-Ge-C layer and the single crystal silicon substrate and/or one or more of the layers adjacent the Si-Ge-C layer wherein the Si-Ge-C layer etches faster than the one or more adjacent layers.

70. (Presently Presented) A method of using Si-Ge-C in selective etch applications in conjunction with a single crystal substrate, comprising:

growing one or more epitaxial layers sequentially, starting at the single crystal substrate surface, wherein at least one of the epitaxial layers comprises Si-Ge-C, wherein the carbon of the Si-Ge-C layer is up to 5 atomic percent; and

1 etching with a liquid etchant, the Si-Ge-C layer and the single crystal substrate 2 and/or one or more of the epitaxial layers adjacent the Si-Ge-C layer wherein the Si-Ge-3 C layer etches slower than the one or more adjacent epitaxial layers. 4 71. (Presently Presented) A method of using Si-Ge-C in selective etch 5 applications in conjunction with a single crystal substrate, comprising: 6 growing one or more epitaxial layers sequentially, starting at the single crystal 7 substrate surface, wherein at least one of the epitaxial layers comprises Si-Ge-C, 8 wherein the carbon of the Si-Ge-C layer is up to 5 atomic percent; and 9 etching with a liquid etchant, the Si-Ge-C layer and the single crystal substrate 10 and/or one or more of the epitaxial layers adjacent the Si-Ge-C layer wherein the Si-Ge-11 C layer etches faster than the one or more adjacent epitaxial layers. 12 13 72. (Presently Presented) A method of using Si-Ge-C in selective etch 14 applications in conjunction with a substrate, comprising: 15 growing one or more layers sequentially, starting at the substrate, wherein at 16 least one of the layers comprises Si-Ge-C, wherein the carbon of the Si-Ge-C layer is 17 up to 10 atomic percent; and 18 etching with a liquid etchant, the Si-Ge-C layer and one or more layers adjacent 19 to the Si-Ge-C layer and/or the substrate wherein the Si-Ge-C layer etches slower than 20 the one or more adjacent layers. 21 22 73. (Presently Presented) A method of using Si-Ge-C in selective etch 23 applications in conjunction with a substrate, comprising: 24 growing one or more layers sequentially, starting at the substrate, wherein at 25 least one of the layers comprises Si-Ge-C, wherein the carbon of the Si-Ge-C layer is 26 up to 10 atomic percent; and 27 etching with a liquid etchant, the Si-Ge-C layer and one or more layers adjacent 28

to the Si-Ge-C layer and/or the substrate wherein the Si-Ge-C layer etches faster than

29

30

the one or more adjacent layers.